

## M 5.4, 89km SSW of Merizo Village, Guam

Origin Time: 2020-05-25 23:22:27 UTC (Tue 09:22:27 local)

Location: 12.5776° N 144.2339° E Depth: 20.8 km

Created: 27 minutes, 34 seconds after earthquake

### Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



### Estimated Economic Losses

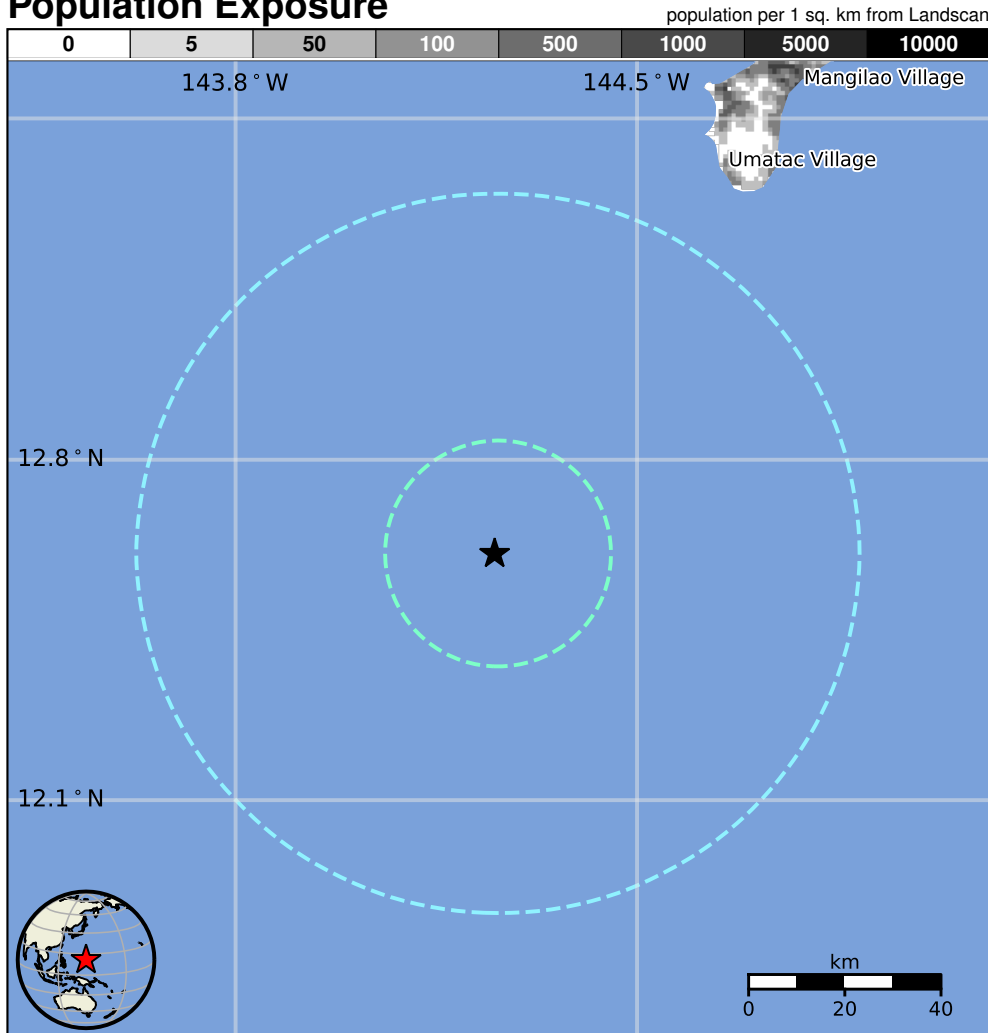


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	76k*	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

## Population Exposure



## Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are informal (metal, timber, GI etc.) and heavy wood frame construction.

## Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2001-10-12	89	7.0	VII(48k)	0
2002-04-26	74	7.0	VIII(2k)	0
1993-08-08	83	7.7	IX(3k)	0

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

## Selected City Exposure

from GeoNames.org

MMI	City	Population
III	Merizo Village	2k
III	<b>Umatac Village</b>	<b>1k</b>
III	Inarajan Village	3k
III	Chalan Pago-Ordot Village	7k
III	Talofofo Village	3k
III	Agat Village	6k
III	<b>Mangilao Village</b>	<b>15k</b>
III	Barrigada Village	9k
III	Santa Rita Village	8k
III	Yona Village	6k
III	Mongmong-Toto-Maite Village	7k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us70009q8z#pager>

bold cities appear on map.

(k = x1000)

Event ID: us70009q8z